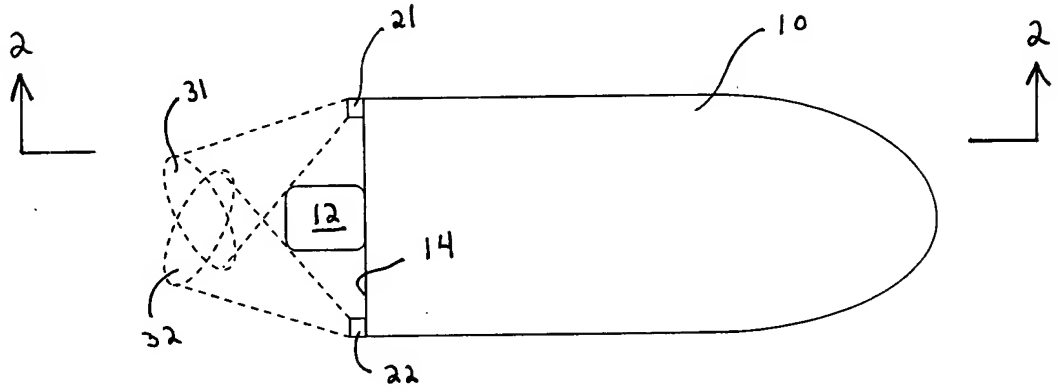


FIGURE 1

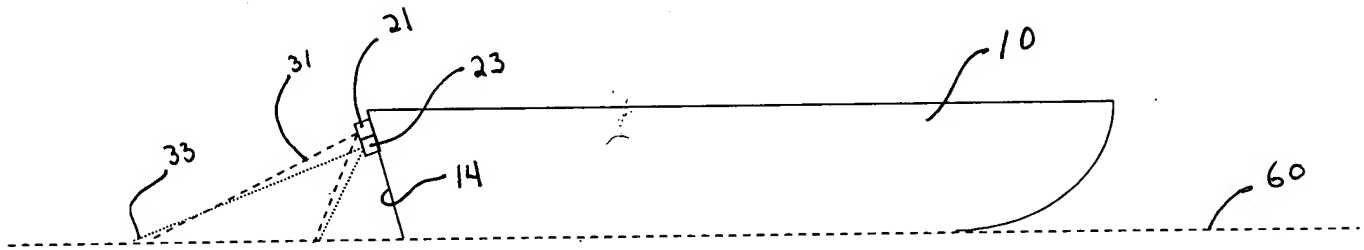


FIGURE 2

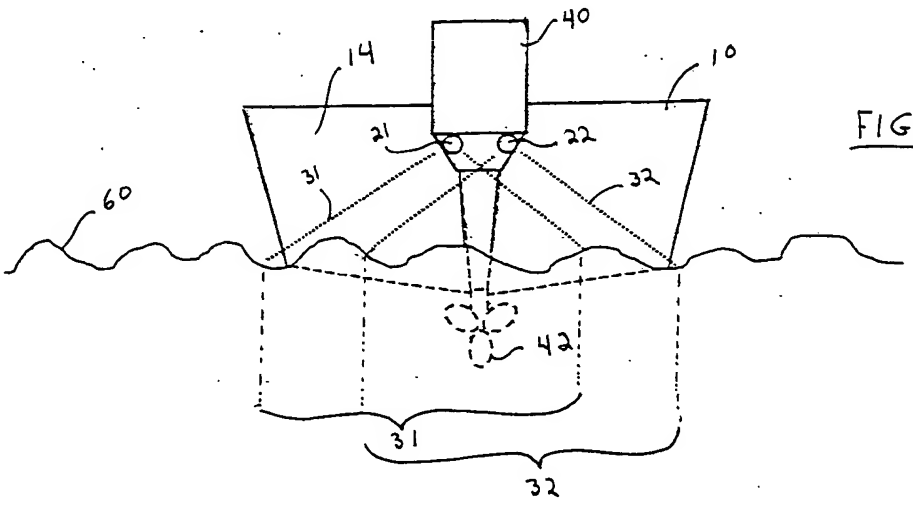


FIGURE 3

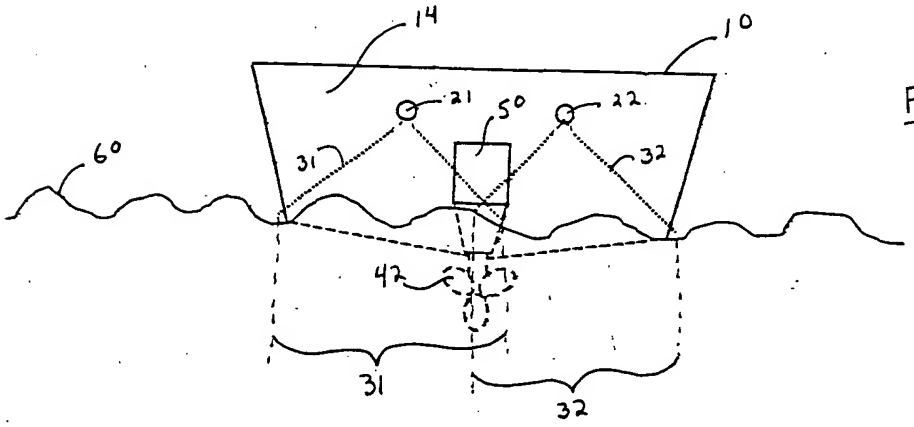
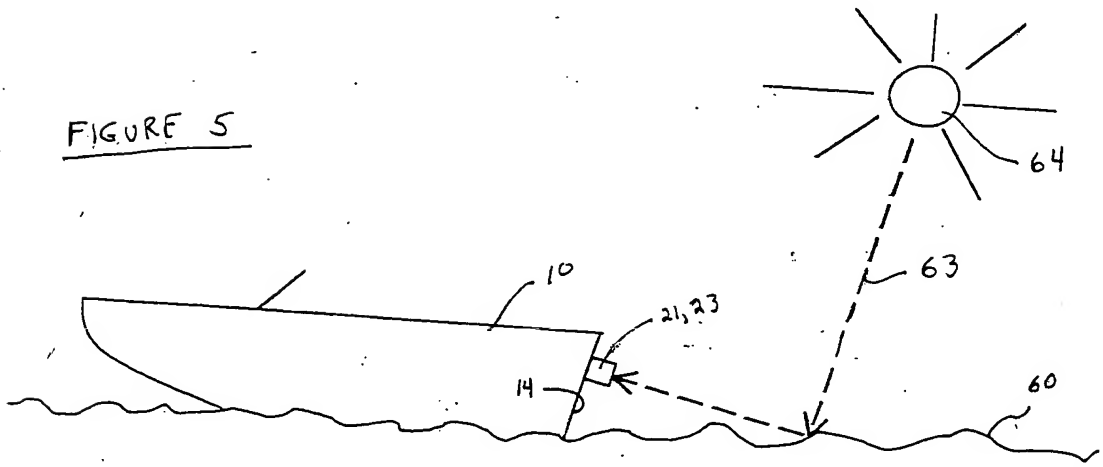


FIGURE 4

FIGURE 5



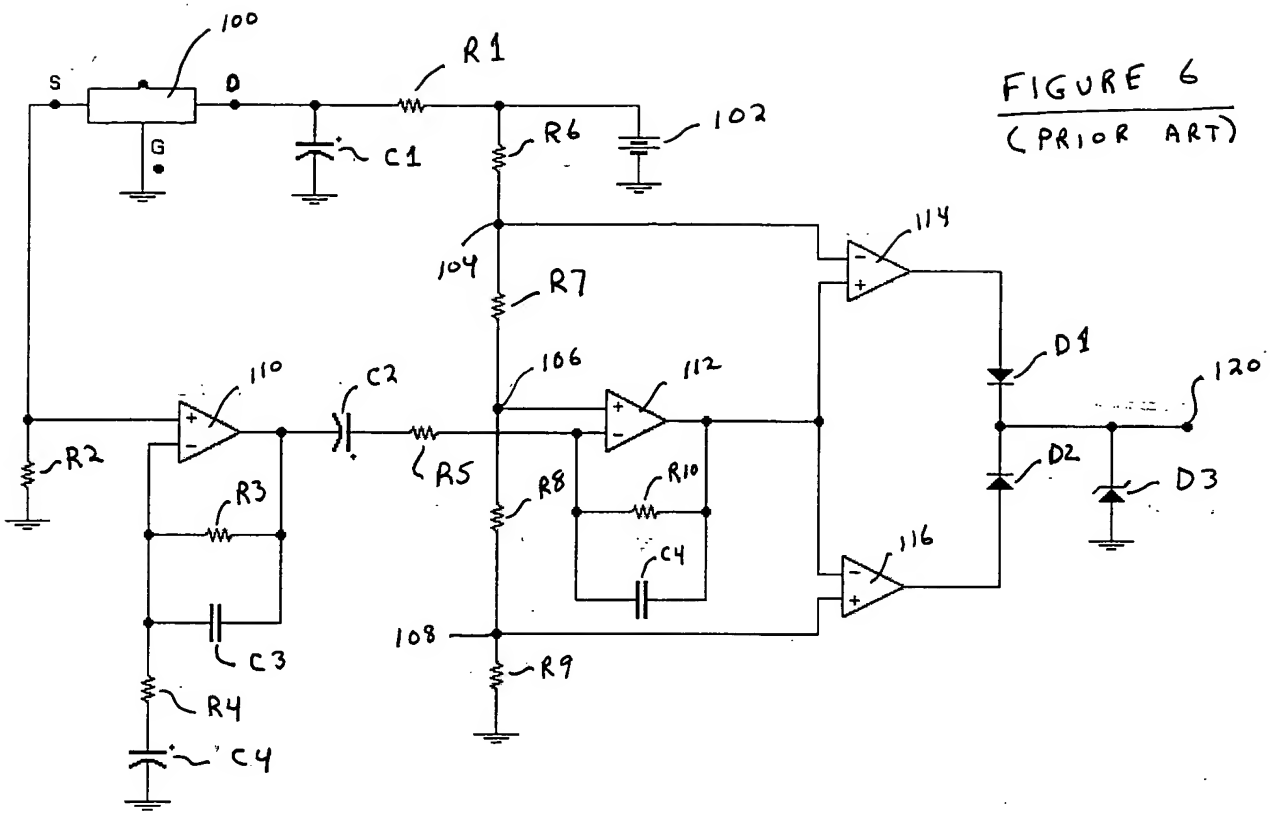


FIGURE 6
(PRIOR ART)

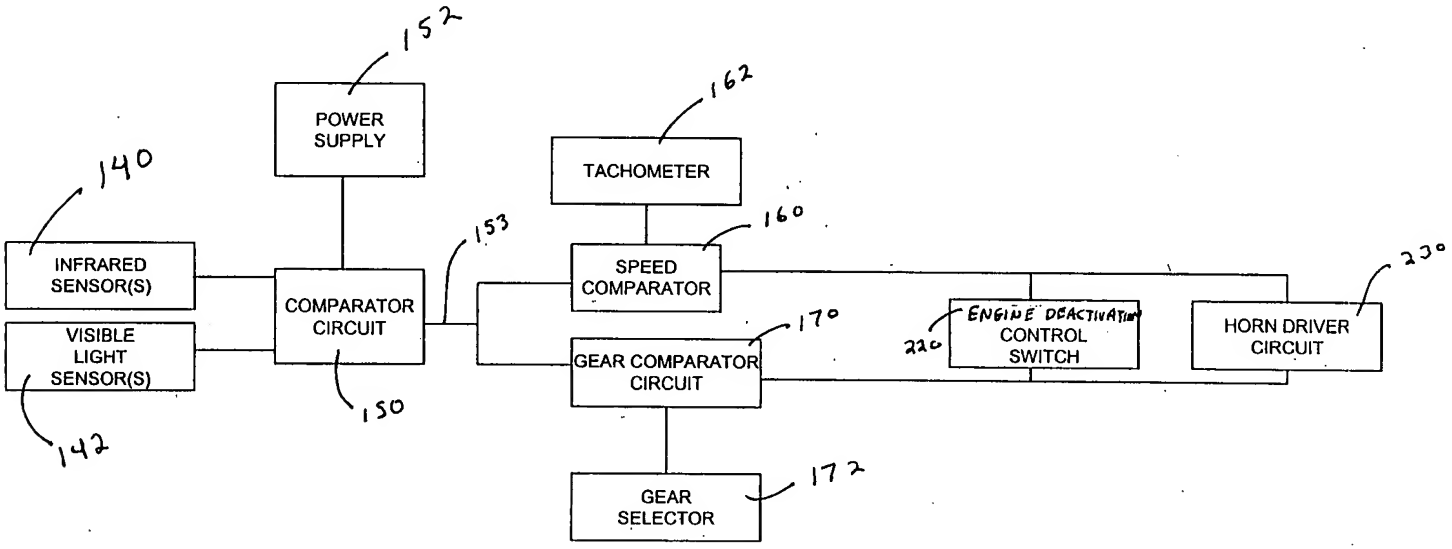

152
POWER SUPPLY
162
TACHOMETER
140
INFRARED SENSOR(S)
153
COMPARATOR CIRCUIT
160
SPEED COMPARATOR
230
VISIBLE LIGHT SENSOR(S)
170
GEAR COMPARATOR CIRCUIT
220
ENGINE DEACTIVATION CONTROL SWITCH
HORN DRIVER CIRCUIT
150
142
172
GEAR SELECTOR

FIGURE 7

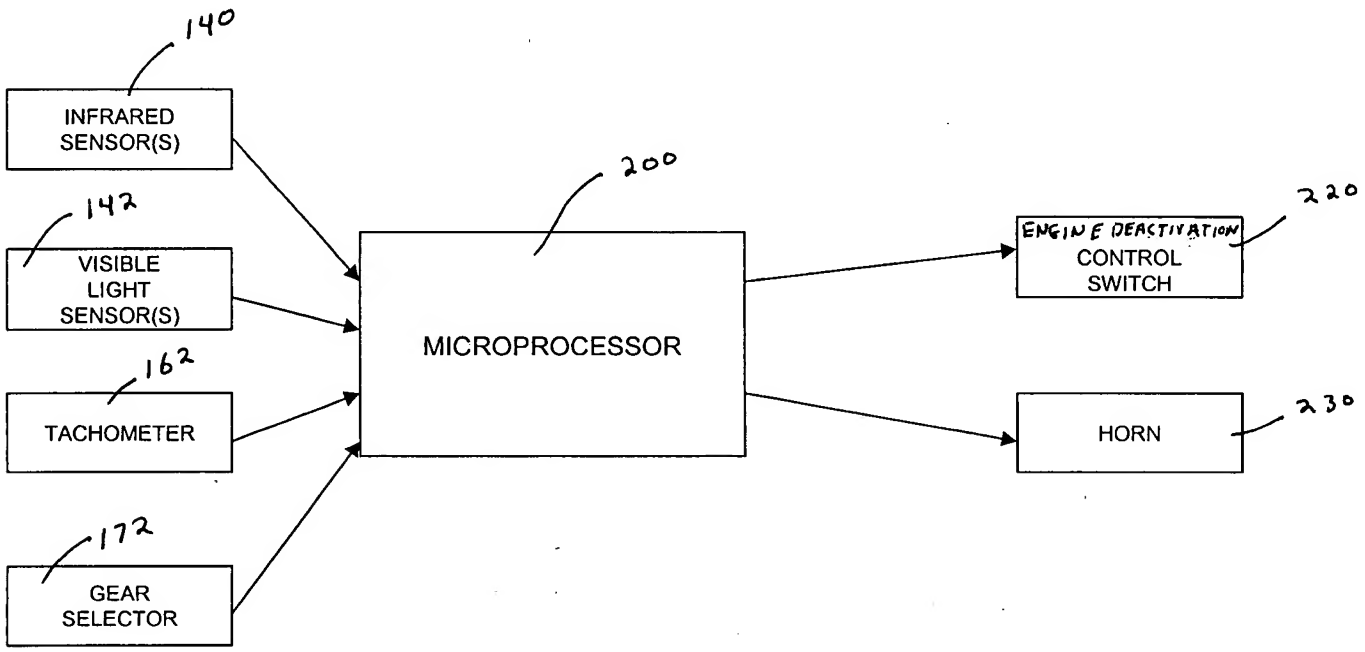

140
INFRARED SENSOR(S)
142
VISIBLE LIGHT SENSOR(S)
162
TACHOMETER
172
GEAR SELECTOR
200
MICROPROCESSOR
220
ENGINE DEACTIVATION CONTROL SWITCH
230
HORN

FIGURE 8

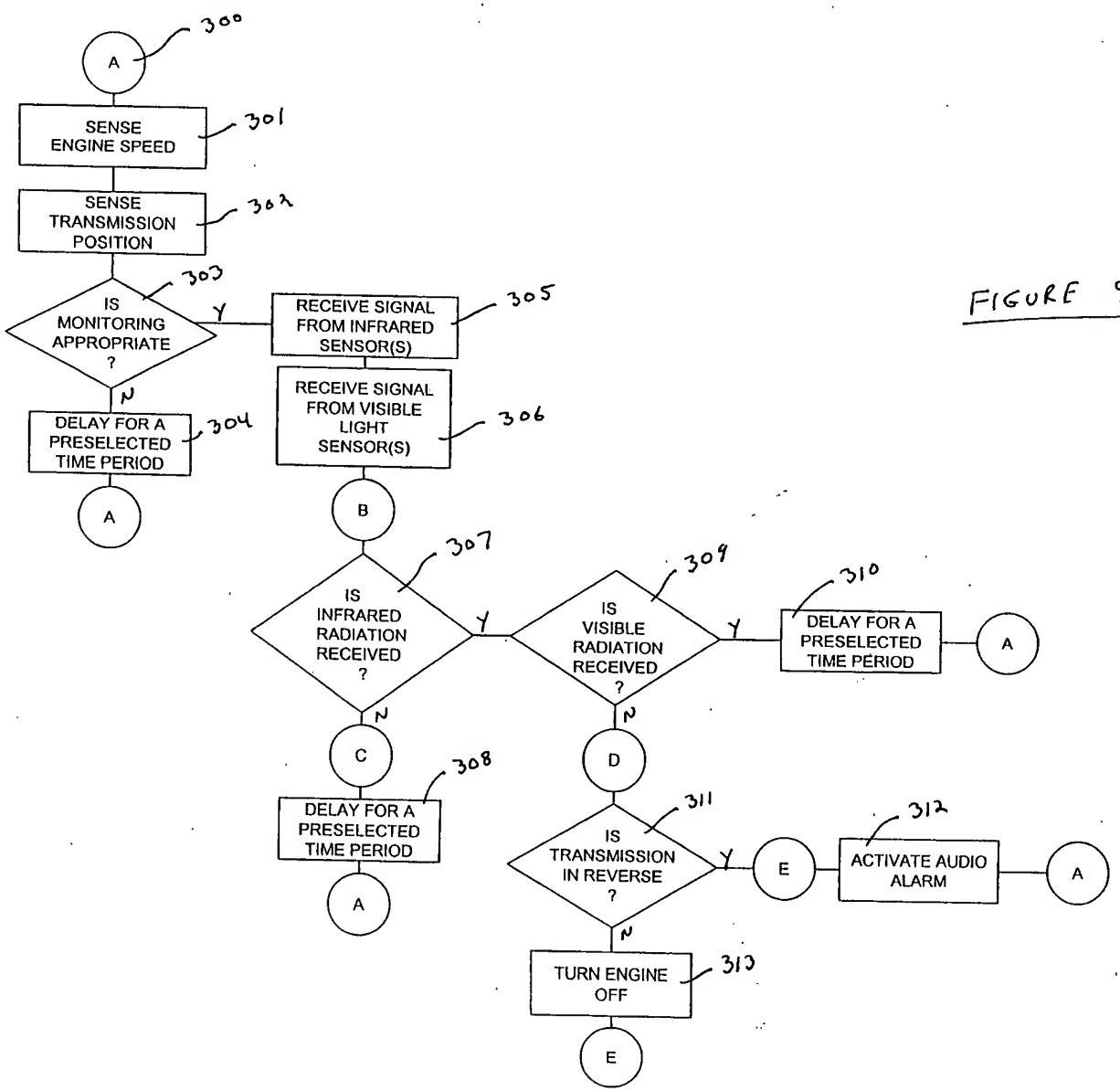

A
300
SENSE ENGINE SPEED
301
SENSE TRANSMISSION POSITION
302
IS MONITORING APPROPRIATE ?
303
Y
N
RECEIVE SIGNAL FROM INFRARED SENSOR(S)
305
RECEIVE SIGNAL FROM VISIBLE LIGHT SENSOR(S)
306
DELAY FOR A PRESELECTED TIME PERIOD
304
A
B
IS INFRARED RADIATION RECEIVED ?
307
Y
N
IS VISIBLE RADIATION RECEIVED ?
309
Y
N
DELAY FOR A PRESELECTED TIME PERIOD
310
A
C
DELAY FOR A PRESELECTED TIME PERIOD
308
A
D
IS TRANSMISSION IN REVERSE ?
311
Y
N
E
ACTIVATE AUDIO ALARM
312
A
TURN ENGINE OFF
313
E

FIGURE 9